

Title (en)
TiCN-based cermet

Title (de)
Cermet auf TiCN basis

Title (fr)
Cermet à base de TiCN

Publication
EP 1087026 B1 20031112 (EN)

Application
EP 00308244 A 20000921

Priority
• JP 26680099 A 19990921
• JP 2000257871 A 20000828

Abstract (en)
[origin: EP1087026A1] A TiCN-based cermet comprises 5-25 weight % of a binder phase mainly composed of Co and/or Ni, the balance being substantially a hard phase and inevitable impurities, the hard phase being mainly composed of carbide, nitride and/or carbonitride and containing at least Ti and W, the cermet having a cross-section microstructure in which the number of Ti-rich particles having an area of 0.02 μm^2 or more is 1000 or less per a unit area of 1000 μm^2 . <IMAGE>

IPC 1-7
C22C 29/04

IPC 8 full level
B22F 3/24 (2006.01); **B23B 27/14** (2006.01); **C22C 29/04** (2006.01)

CPC (source: EP US)
C22C 29/04 (2013.01 - EP US); **Y10T 428/252** (2015.01 - EP US)

Cited by
CN102828061A; CN102534340A; CN102304657A; CN105308200A; US9103036B2; US9168664B2; US9850558B2; US9896767B2; US10184187B2; US8277958B2; DE102012000540A1; US8409702B2

Designated contracting state (EPC)
CH DE GB IT LI SE

DOCDB simple family (publication)
EP 1087026 A1 20010328; EP 1087026 B1 20031112; DE 60006472 D1 20031218; DE 60006472 T2 20040812; JP 2001158932 A 20010612; US 6387552 B1 20020514

DOCDB simple family (application)
EP 00308244 A 20000921; DE 60006472 T 20000921; JP 2000257871 A 20000828; US 66653800 A 20000921